

Glass Container Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
327213, Glass container manufacturing . . . 2002..	21	65	16 033	758 989	13 939	29 332	635 610	2 728 208	1 632 196	4 360 859	'273 468
2001..	N	N	15 580	716 785	13 749	28 540	602 160	2 504 287	1 617 218	4 206 423	215 994
2000..	N	N	16 846	773 256	14 912	30 891	654 841	2 540 809	1 600 607	4 125 005	343 400
1999..	N	N	19 220	818 898	17 146	34 668	695 074	2 690 808	1 550 300	4 215 397	406 910
1998..	N	N	19 935	822 235	17 879	35 924	698 497	2 677 305	1 594 989	4 216 315	356 440
1997..	11	61	21 184	840 703	18 679	37 300	710 641	2 557 999	1 589 110	4 198 122	283 023

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	All establishments ²			All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
	E ¹	Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
327213, Glass container manufacturing												
United States	—	65	57	16 033	758 989	13 939	29 332	635 610	2 728 208	1 632 196	4 360 859	'273 468
California	—	9	8	2 733	128 997	2 426	5 032	108 600	434 630	318 394	755 227	32 687
Georgia	—	3	3	884	41 705	784	1 689	35 478	152 466	117 552	268 510	28 663
Illinois	1	4	4	988	46 245	879	1 859	39 156	167 504	85 067	245 785	'26 804

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
327213, Glass container manufacturing	
Companies ¹	number.. 21
All establishments ²	number.. 65
Establishments with 1 to 19 employees	number.. 8
Establishments with 20 to 99 employees	number.. 1
Establishments with 100 employees or more	number.. 56
All employees ³	number.. 16 033
Total compensation	\$1,000.. 1 047 503
Annual payroll	\$1,000.. 758 989
Total fringe benefits	\$1,000.. 288 514
Production workers, average for year	number.. 13 939
Production workers on March 12	number.. 13 986
Production workers on May 12	number.. 13 960
Production workers on August 12	number.. 13 912
Production workers on November 12	number.. 13 883
Production worker hours	1,000.. 29 332
Production worker wages	\$1,000.. 635 610
Total cost of materials	\$1,000.. 1 632 196
Materials, parts, containers, packaging, etc., used	\$1,000.. 1 183 964
Resales	\$1,000.. D
Purchased fuels	\$1,000.. 257 684
Purchased electricity	\$1,000.. 177 051
Contract work	\$1,000.. D
Quantity of electricity purchased for heat and power	1,000 kWh.. 3 970 938
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 4 360 859
Primary products value of shipments	\$1,000.. D
Secondary products value of shipments	\$1,000.. D
Total miscellaneous receipts	\$1,000.. 11 846
Value of resales	\$1,000.. D
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. D
Value of primary products shipments made in all industries	\$1,000.. 4 342 419
Value of primary products shipments made in this industry	\$1,000.. D
Value of primary products shipments made in other industries	\$1,000.. D
Coverage ratio	percent.. D
Value added	\$1,000.. 2 728 208
Total inventories, beginning of year	\$1,000.. 630 250
Finished goods inventories	\$1,000.. 516 073
Work-in-process inventories	\$1,000.. 1 097
Materials and supplies inventories	\$1,000.. 113 080
Total inventories, end of year	\$1,000.. 638 857
Finished goods inventories	\$1,000.. 515 588
Work-in-process inventories	\$1,000.. 1 127
Materials and supplies inventories	\$1,000.. 122 142
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 3 316 664
Total capital expenditures (new and used)	\$1,000.. '273 468
Buildings and other structures (new and used)	\$1,000.. '23 688
Machinery and equipment (new and used)	\$1,000.. '249 780
Automobiles, trucks, etc., for highway use	\$1,000.. '257
Computers and peripheral data processing equipment	\$1,000.. '1 937
All other expenditures for machinery and equipment	\$1,000.. '247 586
Total retirements	\$1,000.. '303 883
Gross value of depreciable assets at end of year	\$1,000.. '3 286 249
Depreciation charges during year	\$1,000.. '250 051
Total rental payments	\$1,000.. 52 302
Buildings and other structures	\$1,000.. 16 650
Machinery and equipment	\$1,000.. 35 652
Total other expenses ⁴	\$1,000.. 273 226
Response coverage ratio ⁵	percent.. 90
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 105 754
Communications services ⁴	\$1,000.. 3 363
Legal services ⁴	\$1,000.. D
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. D
Advertising and promotional services ⁴	\$1,000.. D
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 803
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 6 720
Management consulting and administrative services ⁴	\$1,000.. D
Taxes and license fees ⁴	\$1,000.. 16 998
All other expenses ⁴	\$1,000.. 137 454

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on 2002 Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
327213, Glass container manufacturing											
All establishments	—	65	16 033	758 989	13 939	29 332	635 610	2 728 208	1 632 196	4 360 859	'273 468
Establishments with—											
1 to 4 employees	9	5	13	475	8	16	327	1 145	669	1 816	'48
5 to 9 employees	9	1	a	D	D	D	D	D	D	D	D
10 to 19 employees	—	2	b	D	D	D	D	D	D	D	D
20 to 49 employees	—	—	—	—	—	—	—	—	—	—	—
50 to 99 employees	9	1	b	D	D	D	D	D	D	D	D
100 to 249 employees	—	24	h	D	D	D	D	D	D	D	D
250 to 499 employees	—	31	10 414	490 725	9 032	19 169	414 125	1 791 685	1 004 430	2 801 557	'190 749
500 to 999 employees	—	1	f	D	D	D	D	D	D	D	D
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	—	—	—	—	—	—	—	—	—	—	—

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
327213	Glass container manufacturing	65	16 033	758 989	13 939	29 332	635 610	2 728 208	1 632 196	4 360 859	'273 468
3272130	Glass containers	65	16 033	758 989	13 939	29 332	635 610	2 728 208	1 632 196	4 360 859	'273 468

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
327213	Glass container manufacturing	2002.. N	X	X	4 342 419
	1997.. N		X	X	4 176 306
3272130	Glass containers	2002.. N	X	X	4 342 419
	1997.. N		X	X	4 176 306
32721301	Glass containers	2002.. N	X	X	4 338 900
	1997.. N		X	X	4 176 306
3272130100	Glass containers (including value of packaging) ¹	2002.. 15	X	S	4 338 900
	1997.. 11		X	249.0	4 176 306
3272130Y	Glass containers, nsk, total	2002.. N	X	X	3 519
	1997.. N		X	X	—
3272130YWW	Glass containers, nsk, for nonadministrative-record establishments	2002.. N	X	X	3 519
	1997.. N		X	X	—
3272130YWY	Glass containers, nsk, for administrative-record establishments	2002.. N	X	X	—
	1997.. N		X	X	—

¹For additional detail, see Current Industrial Report M327G, Glass Containers.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
327213	Glass container manufacturing		
00900001	Total materials .....2002..	X	1 183 964
	.....1997..	X	1 217 835
32518105	Sodium carbonate (soda ash) (58 percent Na ₂ O) .....1,000 s tons..2002..	P1 590.2	179 319
	.....1997..	1 663.4	186 436
21232200	Glass sand, all types .....2002..	X	123 298
	.....1997..	X	117 320
32741003	Lime .....1,000 s tons..2002..	P1 294.0	33 875
	.....1997..	N	N
32799219	Nonmetallic minerals and earths, ground or otherwise treated .....1,000 s tons..2002..	q313.5	25 033
	.....1997..	518.5	26 663
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	382 119
	.....1997..	X	362 561
00190028	Cullet (glass scrap) .....2002..	X	114 719
	.....1997..	X	112 149
32611301	Plastics film and sheet, unsupported .....2002..	X	D
	.....1997..	X	12 471
33350003	Industrial dies, molds, jigs, and fixtures .....2002..	X	106 616
	.....1997..	X	55 841
33291907	Metal fittings, flanges, and unions for piping systems (excluding forgings) .....2002..	X	D
	.....1997..	X	N
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	177 933
	.....1997..	X	296 995
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	3 756
	.....1997..	X	47 399

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.